



CENTRE FOR MILITARY AND STRATEGIC STUDIES

ANNUAL REPORT April 1998 to March 1999

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UNIVERSITY OF CALGARY

CENTRE FOR MILITARY AND STRATEGIC STUDIES SECURITY AND DEFENCE FORUM (SDF) PERFORMANCE MEASUREMENT REPORT

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**CENTRE FOR MILITARY AND STRATEGIC STUDIES
SDF PERFORMANCE MEASUREMENT REPORT**

April 1998- March 1999

INSTITUTIONAL CONSIDERATIONS

1.0 MISSION STATEMENT

The Centre for Military and Strategic Studies (CMSS) at the University of Calgary (formerly known as the Strategic Studies Program) was established in 1981 with the aid of a major grant from the Canadian Department of National Defence, Security and Defence Forum (SDF). The primary purpose of the CMSS is to promote informed public discussion and scholarly research on issues of current or future relevance to Canada's national security.

CENTRE OBJECTIVES

- To develop and support a strong Canadian competency in security and defence issues and to foster informed public discussion and commentary.
- To become a national centre for defence information about the Canadian Forces and Canada's Security and Defence Programs.

CENTRE ACTIVITIES

- Interdisciplinary Master of Strategic Studies (MSS) Program
- World Wide Web Research Site and Electronic Journal
- High School Outreach Program
- Collaboration with the Southern Alberta Military Museum
- Short-term and long-term research projects
- Military and Strategic Studies Interest Group (Student Club)
- Education of government, Canadian military, the media, the business community, and the general public on contemporary strategic studies and defence issues

2.0 PRESENCE OF FACULTY AND STAFF

Over the past year, CMSS has strengthened its presence of faculty and staff in support of its mission. New research associates and two full-time positions of Systems Administrator and Administrative Secretary were secured. In-house graduate students and members of the student-formed Military and Strategic Studies Interest Group have added significantly to the CMSS.

DIRECTOR

David J. Bercuson, PhD, FRSC

Director of the CMSS and Professor of History at the University of Calgary, Dr. Bercuson, former Dean of Graduate Studies at the University of Calgary, is a military historian. He has published extensively both in the popular press and in scholarly journals on issues including the Somalia affair, the Calgary Highlanders, and the Canadian military. Dr. Bercuson served as special Advisor to the Minister of National Defence on the Future of the Canadian Forces and is a member of the Minister of National Defence's Monitoring Committee on Change in the Canadian Forces and the Department of National Defence.

Special honours conferred this year include a Doctor of Laws degree, honoris causa, Concordia University. This honorary doctorate was bestowed upon Dr. Bercuson at the Spring 1998 Convocation, Concordia University.

ADMINISTRATIVE STAFF

Courtney Campbell, BA, MCSE

Funded in part from a research grant from the government of Alberta's Learning Enhancement Envelope (LEE), Courtney joined the CMSS as Systems Administrator on a full-time basis in October 1998. As a Microsoft Certified Systems Engineer, Courtney is responsible for the Centre's computer network and web site. She performs daily administration, is responsible for Web design, and assists with web-based learning methods.

Courtney's daily administration includes:

- General maintenance of StratNet website, updating links and adding new information
- Technical support for office, maintenance of workstations and network problems
- Daily and weekly backups of users' folders, common files, and websites
- Monitoring and optimizing our network and internet traffic, email and server administration
- Designed brochures and PowerPoint slides for upcoming events

Linda Courtney

Linda joined the Centre as a part-time Administrative Secretary for six weeks in the fall of 1998 and began full-time employment in January 1999. Linda previously worked in the Faculty of Medicine at the University of Calgary and brings several years administrative experience to the position.

Shelley Wind

Shelley joined the CMSS two years ago, after gaining ten years' experience in the Faculty of Graduate Studies at the University of Calgary as Assistant to the Dean. She is a member of UCAN (University of Calgary Advisors Network) and serves as the Centre's United Way representative. She provides administrative support to the Centre attends various meetings with the Director throughout the year.

Shelley's responsibilities as office Manager include assistant to the Director, personnel matters, and budget administration. She assisted in the organization of various events and is currently serving as the Graduate Program Administrator for the Master of Strategic Studies (MSS) program.

FACULTY/RESEARCH ASSOCIATES/GRADUATE STUDENTS**Jeff Gilmour, LL.B.**

Jeff Gilmour joined the CMSS in October 1998 as a research associate. Also a research associate with the Arctic Institute of North America, Mr. Gilmour's area of expertise is Maritime security and law, particularly of the North.

Holger Herwig, PhD, FRSC

Dr. Herwig, Graduate Co-ordinator for the MSS program and a professor of History at the University of Calgary, is interested in military history, German politics, and naval history. His publications include The First World War: Germany and Austria-Hungary 1914-1918, and books on German naval operations and strategic policy in the age of imperialism. Dr. Herwig was awarded The Norman B. Tomlinson Jr. book prize by the Western Front Association for his book, The First World War: Germany and Austria-Hungary 1914-1918.

Highlights of the year include a Distinguished Research Award from the Faculty of Social Sciences and an Edward S. Miller Fellowship in Naval Warfare Studies. A documentary film on Deadly Seas, appeared on History Television, 8 November 1998.

Rob N. Huebert, PhD

Assistant professor of Political Science at the University of Calgary, Dr. Huebert's research interests include: international relations, strategic studies, the Law of the Sea, and maritime affairs, among others.

Dr. Huebert received Honourable Mention for a student union teaching excellence award from the Faculty of Social Science, University of Calgary. He attended a Teacher Recognition Reception at the University of Manitoba, Faculty of Arts, in April 1998, as the recipient of a Teaching Excellence Award.

Anne Irwin, MA

Anne Irwin recently joined the CMSS as a Research Associate. After serving 15 years in the Canadian Forces Primary Reserve as a Military Police officer, Anne decided to go to university and completed a Honours BA in Anthropology at the University of Calgary in 1991. Anne completed her Masters thesis, "Canadian Infantry Platoon Commanders and

the Emergence of Leadership”, based on participant observation research in the field with 1 Princess Patricia’s Canadian Light Infantry at Rendezvous ’92. Anne is presently completing her Doctoral program in the Department of Social Anthropology at the University of Manchester. She is currently in the last stages of writing up her dissertation, entitled “The Social Organization of Soldiering: A Canadian Infantry Battalion in the Field.” The main theme of the dissertation is how soldiers construct a soldierly identity for themselves through their everyday interactions. Anne is interested in the developing field of military anthropology, and, theoretically, embodied practice and language use and how they relate to the construction of masculinity identity.

James Keeley, PhD

A professor of Political Science at the University of Calgary, Dr. Keeley has been a long-time research associate of the CMSS. Dr. Keeley is conducting research into theories of international relations, the proliferation of weapons of mass destruction, the United Nations, and international political economy.

Dr. Keeley was nominated for a 1998 Students’ Union Teaching Excellence Award. Another highlight over the past year was the completion of a study with Jason Cameron (Dr. Keeley’s former MA student and currently employed by the Atomic Energy Control Board of Canada) of the possible use of commercial satellite imagery in the verification activities of the International Atomic Energy Agency.

Whitney Lackenbauer, BA (Honours)

Funded by a combination of major awards and scholarships (Department of National Defence (The Forum) MA Scholarship, The Chancellor Norford Graduate Scholarship, Graduate Research Scholarship, Province of Alberta Graduate Scholarship, and a Faculty of Graduate Studies Scholarship), Mr. Lackenbauer is currently completing a fast-track MA program in the Department of History under the supervision of Dr. Bercuson. Whitney has been admitted to a PhD program in the Department of History, continuing studies with Dr. Bercuson, beginning in September 1999. Whitney has been successful in securing four years of funding for his PhD program from the Social Sciences and Humanities Research Council of Canada and the University of Calgary. In addition, he has been offered financial support from the Department of History and the Faculty of Graduate Studies at the University of Calgary, including an Honorary Killam Fellowship. Whitney has been active in the publication and presentation of papers. He has received numerous awards and scholarships, and is active in volunteer and committee activities. Whitney is also an active participant in workshops, conferences, and tours and was the founder and co-ordinator of the Military and Strategic Studies Interest Group.

Chris Madsen, PhD

Chris Madsen is in the second year of a Social Sciences and Humanities Research Council of Canada Postdoctoral Fellowship, researching and writing a manuscript on British naval contracts in North America between 1940 and 1946. This work examines the procurement and assignment of ships, munitions, and naval aircraft for the Royal Navy from American and Canadian sources. Chris’ contributions over the past year have included publications, presenting conference papers, offering and developing courses, attending workshops, and serving as co-editor of the Journal of Military and Strategic Studies, the Centre’s electronic journal.

Nancy Pearson Mackie, MA

A research associate with the CMSS, Ms. Pearson Mackie has lectured in foreign policy analysis at the University of Calgary. Her research interests include the role of technology in the modern military, special interest groups, and women in the military. Over the past year, Nancy organized and participated in three major events hosted by the CMSS.

3.0 USE OF FINANCIAL RESOURCES AND ADDITIONAL RESOURCES ACQUIRED

The CMSS has been successful over the past year in securing additional funding in support for the Centre's activities and initiatives.

1998 was the first time that the Centre, since its inception, was invited to submit a Business Plan and budget request to The University Budget Committee (TUBC). By being involved with the planning and budgeting process of the University of Calgary, the Centre has been working closely with several senior officials and academics of the University, including the Vice President (Academic) and Provost, the Vice President (Research), the Dean of the Faculty of Social Sciences, the Dean of the Faculty of Graduate Studies, and the Director of Information Services. The University has recognized military and strategic studies as an area of international excellence and has given its support both academically and financially.

1998-99 FUNDING		
Source of Funds	Allocation	Use
TUBC (The University of Calgary Budget Committee)	\$22,510	Clerical Support
DND Grant	\$60,000	Salaries/operating
Learning Enhancement Envelope (LEE) Funding	\$70,000	MSS Program – salary for Technician IV/equipment
Royal Bank Teaching Development Award	\$5,500	Software in support of MSS Program
Security and Defence Forum Special Projects	\$16,000	High school Outreach Program
VPR Development Fund (Vice President Research, University of Calgary)	\$20,000	One-time allocation in support of Program Activities
TOTAL FUNDING 98-99	<u>\$194,000</u>	

1998-1999 EXPENDITURES

Expenditures	Amount	Source of Funds
Technician/Technologist IV	* \$40,500	LEE Funds
Administrative Assistant III	\$38,000	DND Funds – cost-recovery to Dean’s office, Social Sciences
Director’s Honorarium	\$7,500	TUBC Funds
Secretary	\$25,000	TUBC/DND Funds
Research Associates	\$20,000	TUBC Funds/external contracts
Supplies and Materials	\$9,500	TUBC/DND Funds
Travel	\$15,000	TUBC/DND Funds
Speaker Series/Guest Lecturers	\$3,000	TUBC/DND Funds
Website/computer maintenance/upgrades	\$9,000	LEE/TUBC/DND Funds
Publications	\$5,000	DND Funds
TOTAL EXPENDITURES	\$172,500	DND/TUBC/LEE Funds
CARRYOVER	\$21,500	LEE Funds

* Approximately \$21,500 will be carried forward in LEE funding to support the position of full-time Technical Technologist IV. This position is vital to the continuation of the Centre and the MSS program in particular. An application has been submitted to the Learning Commons at the University of Calgary for continued LEE funding. The application was ranked first of the four applications submitted from the Faculty of Social Sciences.

In addition, members of the CMSS have been successful in securing funding for scholarly research projects.

Support for Scholarly Research.

- Bercuson, David. SSHRC Research Grant, 1998-2001.
- Herwig, Holger. SSHRC Research Grant.
- Herwig, Holger, University Research Grant.

A number of external contracts and grants were also awarded to the CMSS over the past year.

External Grants and Contracts.

- Keeley, James. Two contracts with the Department of Foreign Affairs.
- CANCAPS – Received funding to host Maritime Working Group of CANCAPS in Calgary – March 5-6, 1998.
- LEE – Learning Enhancement Envelope – Received funding in support of our MSS initiative.
- SDF Special Projects – Received grant in support of our Outreach activities.
- DND Contract – Awarded a contract to host and organize a consultative seminar on The Future of the Canadian Armed Forces.

Financial Plan Submitted to TUBC

The Centre has requested additional funding from TUBC to ensure that the salary for the Technician/Technologist IV position is secure and permanent. This position is absolutely critical to the successful continuation of the Centre's Website, the High School Outreach Program, and the MSS initiative in particular. In addition, operating funds for travel, supplies and services, and equipment have been requested. Results of the TUBC process will be known in late April 1999.

Infrastructure/Capital Plan

1998 was the first year that the Centre, since its inception, was part of the Capital Budget process at the University of Calgary. Dr. Bercuson has had ongoing discussions with the Vice President (Finance & Services) and Facilities Management regarding the space situation for the Centre. A relocation to the Social Sciences Building on campus, placing the Centre in close proximity to the Dean's Office, Faculty of Social Sciences and the Departments of History and Political Science has been explored. Discussions and future planning are ongoing.

As part of the TUBC process, a Renovation Request has been submitted to Facilities Management to renovate the existing office space in Strategic Studies. Funds have been requested to improve existing work space and create additional office space for the Graduate Coordinator of the MSS program and the Systems Administrator.

Revenue Generating Programs

Master of Strategic Studies (MSS). At its meeting on Wednesday, November 18, 1998, the Council of the Faculty of Graduate Studies endorsed a proposal for a Master of Strategic Studies (MSS) program through distance delivery to members of the Canadian Forces. The proposal has been working its way through other University bodies and received formal approval by the University's Board of Governors on March 26, 1999. Costs will be recouped through program fees set at full cost-recovery levels.

1999-2000 Estimated Budget

REVENUE	
DND Grant	\$60,000
University Contribution	\$22,000
LEE Grant	\$22,000
Other Income: Grants/Contracts	\$30,000
TOTAL REVENUE	<u>\$134,000</u>
EXPENDITURES	
Technician/Technologist IV	* \$40,500
Administrative Assistant III	\$38,000
Secretary	\$18,000
Research Associates	\$8,000
Supplies and Materials	\$6,000
Travel	\$8,500
Speaker Series/Guest Lecturers	\$2,000
Website/computer maintenance/upgrades	\$7,000
Publications	\$2,000
TOTAL EXPENDITURES	<u>\$134,000</u>

4.0 MULTIDISCIPLINARY PARTICIPATION AND INTER-UNIVERSITY COOPERATION

Members of the CMSS have been active in University service over the past year.

University Service

- Bercuson, David. Member of the Faculty of Social Sciences Appointment Committee.
- Bercuson, David. Member of the Department of History Graduate Committee
- Bercuson, David. Member of the Ad hoc History Department PhD Program Review Committee
- Bercuson, David. Supervisor/co-supervisor for 5 graduate students, 4 PhD candidates, and 1 MA candidate.
- Campbell, Courtney. Co-ordinator, Y2K Representative.
- Herwig, Holger. Undergraduate Advisor, Department of History, winter 1998.
- Herwig, Holger. Graduate Co-ordinator, Master of Strategic Studies (MSS) Program
- Herwig, Holger. Supervisor for 2 MA students and 1 PhD student.
- Herwig, Holger. Committee member for 1 PhD Examination, 1 PhD Defence, and 1 MA Thesis Defence.
- Huebert, Rob. Representative, United Way Co-ordinator.

- Huebert, Rob. Member, Undergraduate Committee, January – September 1998.
- Huebert, Rob. Departmental Representative, Faculty of Social Sciences Executive Council.
- Huebert, Rob. Co-ordinator, Co-op Program for the Department of Political Science.
- Huebert, Rob. Representative, Y2K Departmental Representative.
- Keeley, James. Program Co-ordinator, Social Sciences BA in International Relations
- Keeley, James. Member, Appeals Committee, Faculty of Social Sciences
- Keeley, James. Member for Social Sciences Faculty, Faculty Council of the Faculty of Continuing Education
- Keeley, James. Member, Staff Affairs Committee, Political Science Department (to mid-1998).
- Keeley, James. Member, Graduate Committee, Department of Political Science (after mid-1988).
- Keeley, James. Co-ordinator, High School United Nations simulation for the Political Sciences Department.
- Lackenbauer, Whitney. History Representative, Graduate Representative Council, University of Calgary, January 1999-present.
- Wind, Shelley. Member, University of Calgary Advisors Network (UCAN).
- Wind, Shelley. Unit Co-ordinator, United Way.
- Wind, Shelley. Graduate Program Administrator, Master of Strategic Studies (MSS) Program

Military and Strategic Studies Interest Group. The CMSS launched a new initiative to create a Military and Strategic Studies Interest Group. On September 28, 1998 a group of 30 students and faculty departed Calgary to visit CFB Esquimalt. The Navy graciously provided accommodations on base. The next day members of the Canadian and American navies provided an overview of current naval policies, and a tour was provided of the base facilities. On 30 September, the group were guests on HMCS Calgary, witnessing manoeuvres with an American vessel and HMCS Provider. The crew of the Calgary explained technical and operation details, toured above and below the deck, and even allowed some of the visitors to steer the vessel. On base, Dr. James Boutilier spoke on current naval policy in the Pacific and fielded questions. On 1 October, the group returned to Calgary. All participants agreed that the trip was a resounding success. Plans are underway for a return visit again this fall.

CFB Esquimalt Field Trip. A successful Fall field trip to CFB Esquimalt provided some 30 students and faculty an overview of current naval policies, and a tour was provided of the base facilities. Renting two vans, the group of students from Political Science, History, Education, and Engineering went on a day-long trip on the HMCS Calgary.

CFB Suffield, April 1999. The Spring sequel to the CMSS' successful Fall field trip is a one-day tour down to CFB Suffield. Activities on the tour will include Canadian and British briefings on training activities at the base, supervised inspections of modern tanks and armoured fighting vehicles, demonstrations on the latest land-mine clearance techniques, and an introduction to how our soldiers intend to fight and win on the chemical battlefield. Participants must be active members in the Centre's students' club.

Northern Sovereignty and Security. CMSS is collaborating with the Arctic Institute of North America in examining issues relating to northern sovereignty and security.

Journal of Military and Strategic Studies. The CMSS is launching a multi-disciplinary electronic journal, published twice yearly in the Spring and Fall. The journal will be

fully refereed and will deal with a wide range of topics related to military, security, and strategic studies.

Model United Nations (UN) Team

The University of Calgary Model United Nations Program (UCMUNP) was recently established under the auspices of the CMSS in response to the growing desire of students on campus to get involved in UN related activities. A formal team structure was established and a \$9500 grant was awarded by the University of Calgary in support of the UN Team's activities. Model United Nations is exactly that; simulation of various organs and organizations within the United Nations system. A so-called "model UN circuit" has developed within North America and many prominent Universities have established programs.

Master of Strategic Studies (MSS) Program. The CMSS launched a Master of Strategic Studies (MSS) initiative, including liaison with the Canadian Forces. This program by its very definition is internationally oriented. Given both the absence of a clear strategic threat to Canada and the role that its armed forces have played (and will continue to play) on the international stage, incoming students as well as resident faculty guarantee a positive contribution to the University's interest in globalization.

The following University of Calgary faculty members have agreed to participate in the MSS as supervisors and offer graduate courses as part of the program.

MSS SUPERVISORS		
Name	Department/Faculty	Area of Specialization
Bankes, N.	Law	International environment law and arctic law
Bercuson, D.J.	History	Canadian military history
Brennan, P.H.	History	Canadian military history, civil military relations, national political history, Canadian diplomatic history
El-Sheimy, N.	Geomatics Engineering	Multi-sensor systems, GPS/INS integration, DTM, digital photogrammetry
Ferris, J.R.	History	Military history, intelligence studies
Franklin, S.E.	Geography	Remote sensing
Herwig, H.H.	History	Military-naval history; Germany; NATO
Huebert, R.	Political Science	International relations, Canadian defence policy
Hurka, T.	Philosophy	Ethics, including ethics of war
Jergeas, G.	Civil Engineering	Project Management

Keeley, J.F.	Political Science	International relations
Kraay, H.	History	Brazil, Latin America
Lachapelle, G.	Geomatics Engineering	Satellite navigation
Langford, C.H.	Science, Technology, and Society Program	Social impact of science and technology
Nkemdirim, L.C.	Geography	Climatology and hydrology
Paliwoda, S.	Management	International business, marketing, regional specialization Central Europe
Pask, D.	Law	Immigration and refugee law, international human rights law, family law
Peers, D.	History	South Asia, Africa, imperial, military
Potter, I.J.	Mechanical & Manufacturing Engineering	Naval systems, naval and defence policy and history
Prager, C.	Political Science	International relations, especially ethics, human intervention
Randall, S.J.	History	U.S. and Latin American foreign policy
Reader, G.T.	Mechanical & Manufacturing Engineering	Naval systems, naval and defence policy and history
Travers, T.H.E.	History	20 th century military history, World War I and World War II

The very diversity of departmental, and faculty, affiliations of supervisors and supervisory committees--so often a concern in more traditional academic disciplines--will assure and in fact enhance cross-disciplinary input substantially.

OUTREACH ACTIVITIES

5.0 OUTREACH TO MEDIA AND GENERAL PUBLIC

Centre Status. An initiative was launched to convert the “Strategic Studies Program” to the Centre for Military and Strategic Studies. Approval to Proceed has been granted; a final document is to be submitted to the Vice President (Research).

High School Outreach Program. Funded by a Special Projects Grant from the Security and Defence Forum, the CMSS, in consultation with the Calgary Catholic School Board Social Studies Department, developed a web-based Alberta Grade 10 Social Studies curriculum package, “Canada and NATO”, on the StratNet Website. The Outreach Website was presented to separate school board teachers at an annual technology conference last spring and a formal agreement with the Calgary Catholic School Board has been initiated.

Security and Defence talks to local high schools. Ms. Parson Mackie spoke five times last year at Central Memorial High School and Father Lacombe High School in Calgary. Her talks provided insight on weapons of mass destruction, peacekeeping, and security in the new millennium.

1st Annual Ross Ellis Memorial Lecture, 21 January 1999. In honour of the late Lt. Colonel Ross Ellis, Commander, Calgary Highlanders, Professor Donna Winslow, a prominent anthropologist from the University of Ottawa and former technical advisor for the Somalia commission of inquiry, presented a fascinating and informative lecture to an attentive audience at the University Club, titled “Misplaced Loyalties: The Role of Military Culture in the Breakdown of Discipline in Two Peace Operations”. Her talk described the background and problems associated with recent Canadian peacekeeping missions to Somalia and the former Yugoslavia.

“Bullets, Butter and Trade: Canada/US Defence Co-operation” Symposium, March 12-13, 1999. This Symposium was largely funded by a grant from the United States Information Service (USIS). The CMSS, the Royal Alberta United Services Institute (RAUSI), and the Museum of the Regiments also contributed to the Symposium’s success. The Symposium examined how companies apply civilian-based technologies to the needs of the defence department. The discussions focussed on military procurement policies and practices from several perspectives: from the Canadian and American governments, from the Canadian and American militaries, and from Canadian companies active in defence production. Speakers included representatives from the Centre for Military and Strategic Studies at the University of Calgary, the Department of National Defence, the US Defense Department, Canadian Commercial Corporation, US Trade Department, and Computing Devices Canada, Bristol Aerospace.

Memberships in Associations/Societies

- Bercuson, David, Fellow, Royal Society of Canada
- Bercuson, David, Fellow, Inter-University Seminar on Armed Forces and Society
- Bercuson, David. Member, Organization for the History of Canada
- Gilmour, Jeff, Member, Canadian Consortium on Asia Pacific Security (CANCAPS)
- Herwig, Holger, Fellow, Royal Society of Canada
- Herwig, Holger, Fellow, Alexander von Humboldt-Stiftung, Germany
- Herwig, Holger, Member, Arbeitskreis für Militargeschichte, Germany
- Herwig, Member, Holocaust Lectures Committee, Calgary School Board and Separate School Board: Calgary Jewish Centre
- Huebert, Rob, Canadian Political Science Association
- Huebert, Rob, International Studies Association
- Huebert, Rob, Academic Council on the United Nations
- Huebert, Rob, Canadian Institute of International Affairs
- Huebert, Rob, Association of Canadian Universities for Northern Studies
- Huebert, Rob, Canadian Consortium on Asia Pacific Security (CANCAPS)
- Keeley, James, International Studies Association
- Wind, Shelley, University of Calgary Advisors Network (UCAN)

Volunteer/Committee Activities

- Bercuson, David. Member, Minister of National Defence Committee to Monitor Change in the Canadian Forces and the Department of National Defence.

- Bercuson, David. Member, Board of Directors, Calgary Military Museums Society (CMMS).
- Bercuson, David. Chair, Calgary Military Museums Society (CMMS) Education Committee.
- Lackenbauer, Whitney. Web Site Administrator, Canadian Battle of Normandy Foundation, January 1999-present.
- Lackenbauer, Whitney. Founder and Graduate Co-ordinator, Military and Strategic Studies Interest Group, University of Calgary, September 1998-present.
- Lackenbauer, Whitney. Volunteer Archivist, Museum of the Regiments, Calgary, Alberta, September 1998-present.
- Pearson Mackie, Nancy. Member, Environment and Conflict Committee.
- Pearson Mackie, Nancy. Member, Education Committee of the Museum of the Regiments.

Other Scholarly Activities and Contributions

- Bercuson, David. Co-author of regular weekly columns for the Globe and Mail until September 1998; co-author of regular weekly columns for the Calgary Herald, Saskatoon Star-Phoenix and Regina Leader-Post from November 1998.
- Bercuson, David. Member of the Donner Book Prize Jury.
- Bercuson, David. Seminar Leader, conference on Defense Education in the Western Hemisphere, National Defence University, Virginia, November 1998.
- Bercuson, David. “Defence Education for 2000...and Beyond.” Keynote paper read to Educating Canada’s Military: A Workshop on new University Programmes for the Canadian Armed Forces, Royal Military College, Kingston, Ontario, 7 December 1998.
- Gilmour, Jeff. Assisting with preparations for an upcoming Northern Security Conference in Yellowknife, Northwest Territories, May 1999.
- Herwig, Holger. Committee Member, Herbert Baxter Adams Book Prize Committee, American Historical Association.
- Herwig, Holger. Member, Adjudication Committee, Theodor Lynen-Prize, Alexander von Humboldt-Stiftung, Germany
- Herwig, Holger. Editorial Advisor, four presses.
- Herwig, Holger. Series Editor, “Naval Policy and History” monographs, Frank Cass Publishers, London.
- Herwig, Holger. Awarded annual book prize for the best book on the First World War from military history scholars in the U.S. The Norman B. Tomlinson Jr. Prize was awarded to Dr. Herwig by the Western Front Association for his book, The First World War: Germany and Austria-Hungary 1914-1918.
- Huebert, Rob. Panel discussant, “Fall-out from Indian Nuclear Test” – Indo-Canadian Centre, May 25, 1998.

- Huebert, Rob. Roundtable participant, “Abolition of Nuclear Weapons” – Project Ploughshares – University of Calgary, September 1998.
- Keeley, James. Organized Model UN, February 20, 21, 1999. Over 20 local senior high schools participated, with over 310 students registering for the event.
- Keeley, James. Panel Member on “Fallout from the Nuclear Test,” Indo-Canadian Centre, Calgary, May 25, 1998.
- Keeley, James. Assisting Rob Huebert with organizing a conference on the use of satellite imagery in support of United Nations peacekeeping organizations.
- Keeley, James, and Cameron, Jason, “Commercial Satellite Monitoring and the IAEA: Verifying Safeguard Declarations by States and the Detection of Undeclared Activities.” Department of Foreign Affairs and International Trade, Final Report, February 1998.
- Keeley, James. Presentation to Project Ploughshares Calgary: “Iraq: The Inspection Crisis and Sanctions.”

Outreach to Media and the General Public

When the U.S. and Britain launched air strikes against Iraq in Operation Desert Fox, experts in Strategic Studies took to the television and radio airwaves to help explain the conflict. Rob Huebert did interviews with CBC Radio, CHED Radio in Edmonton, Calgary 7 TV, CFCN TV and A-Channel. Meanwhile, David Bercuson provided analysis for radio stations across the country, including Quebec City, Winnipeg, Kingston, Fredericton, Victoria, and Nova Scotia as well as a commentary on CBC National Radio and interviews on QR77 Radio and CHED Radio in Edmonton. Jim Keeley also did numerous television and radio interviews as well.

Interviews/Broadcasts

- Bercuson, David. Interviews and broadcasts too numerous to list.
- Herwig, Holger. Interviews, Lt. Wolfgang Jacobsen and Professor Michael Salewski, Kiel, Germany, 28 April to 6 May, 1998, History Television.
- Huebert, Rob. Interview with CBC North on “The Development of the Arctic Council”, June 8, 1998.
- Huebert, Rob. Interview with CBC 1010 AM on “Piracy as practised in the modern era”, June 25, 1998.
- Huebert, Rob. Interview with CBC North on Arctic Security, August 28, 1998.
- Huebert, Rob. Interview with A-Channel television concerning the Iraq crisis, February 9, 1998 (students in Political Science 283 were also interviewed).
- Huebert, Rob. Several interviews regarding the Iraq Crisis in February 1998.

- QR77 Radio interview – February 17, 1998
 - Rutherford Show – 1 hour television/radio interview – February 19, 1998
 - CBC FM – Edmonton, February 19, 1998
 - 630 CHAD Radio, February 19 and 23, 1998
 - Rutherford Show – February 29, 1998
 - CBC Radio – December 16, 1998
 - Calgary 7 TV – December 16, 1998
 - CFCN TV – December 16, 1998
 - A Channel – December 16, 1998
 - QR77/CHED Radio (all Alberta) 1 hour – December 16, 1998
 - CBC Radio – December 17, 1998
 - CBC Radio noon show (all Alberta) 1 hour – December 17, 1998
- Keeley, James. Interview for Radio Station QR77 regarding the Iraq situation, February 17, 1998.
 - Keeley, James. Interview with CBC-TV regarding the bombing of Iraq, December 16, 1998.
 - Keeley, James. Interview with QR-77 Radio regarding the bombing of Iraq, December 17, 1998.
 - Keeley, James. Interview, C. Frangou, Calgary Herald, regarding the bombing of Iraq. Appeared in the Calgary Herald, December 18, 1998, p. 5.
 - Keeley, James. Interview with Channel 2 and 7 TV, “The Breakfast Show”, regarding the Indian nuclear test, May 14, 1998.
 - Keeley, James. Interview on Channel 2 and 7 TV, “The Breakfast Show”, concerning the Pakistani nuclear test, May 29, 1998.
 - Keeley, James. Interview on A-Channel TV regarding the bombing of Iraq, December 17, 1998.

6.0 INTERACTION WITH DND/CF AND OTHER GOVERNMENT DEPARTMENTS

DND Consultative Seminar on The Future of the Canadian Armed Forces, 1 February 1999. The CMSS hosted a very successful one-day seminar at the Best Western Village Park Inn in Calgary to discuss the future of the Canadian Forces over the next three decades. Sponsored and attended by the Assistant Deputy Minister of National Defence (Policy), the seminar was one of four such gatherings held at universities with Defence Forum centres in various regions of the country; Calgary was chosen to represent Western Canada.

Invited participants included academics from several disciplines, interested individuals from the city’s business community, media representatives, service and civilian employees of the Department of National Defence, directors from the Naval Museum of Alberta and the Museum of the Regiments, and Calgary’s US Consul General. During morning and afternoon sessions, formal briefing papers were presented on the future challenges facing the Canadian Forces, the present and likely future strategic

environment, Canada and sea power in the Pacific, the Western Canadian perspective on Canada's defence orientation, as well as military security in the northern Arctic region. These were followed by more informal break-out sessions, in which seminar participants divided into smaller groups. The result was a free-ranging and open discussion on the place of the Canadian Forces in the contemporary world, its structure and ability to meet foreseeable threats, as well as the level of resources and public support needed to make Canadian defence policy credible. A number of general themes were identified, in particular the overwhelming importance of the United States to Canada in the defence and economic fields; however, several difficult questions, such as exactly how to increase the profile of defence among ordinary Canadians and whether the Canadian Forces as presently structured will be able to continue meeting the country's varied commitments and expectations, were left unresolved.

At the end of the seminar, the Assistant Deputy Minister of National Defence (Policy) expressed his delight at the measure of informed debate and enthusiasm on defence matters evident in Calgary and hoped to repeat the event sometime in the future, perhaps next year.

CFB Esquimalt Field Trip. A successful Fall field trip to CFB Esquimalt provided some 30 students and faculty an overview of current naval policies, and a tour was provided of the base facilities. Renting two vans, the group of students from Political Science, History, Education, and Engineering went on a day-long trip on the HMCS Calgary.

Minister's Monitoring Committee on Change in DND and the CF - Visit to NDHQ. As a member of the MND's Monitoring Committee on Change in the DND and CF, Dr. Bercuson visited NDHQ in June 1998. The group was briefed on the battle procedure and process by which a contingent is warned and directed for overseas operations. In particular, the group was most interested in the changes made within the CF 'process' with respect to the NDHQ management of operations as a result of the recommendations of the Somalia Inquiry. The trip provided an excellent opportunity for briefings on related NDHQ initiatives and activities.

Minister's Monitoring Committee on Change in DND and the CF – Visit to Gagetown. Dr. Bercuson participated in a trip to Gagetown from November 23-27, 1998. The agenda included briefings with Major General Gagnon (Commander of the SQFT) and Colonel Pepin (Director of the Exercise and Commander of the 5th Brigade in Val-Cartier).

Passing the Torch Committee – Canadian War Museum. A team from the Canadian War Museum (Gen (Ret'd) P. Manson and Mr. David Anido) visited Calgary from 8-10 March 1999 for the purpose of meeting with the Museum of the Regiments, The Naval Museum of Alberta, and The Aero Space Museum to discuss a possible joint fundraising campaign. Dr. Bercuson represented the CMSS at a meeting and dinner reception with the delegates.

Department of Foreign Affairs and International Trade. Through a contract with the Department of Foreign Affairs and International Trade, Dr. Keeley completed a study with his former MA student, Jason Cameron, on the possible use of commercial satellite imagery in the verification activities of the International Atomic Energy Agency.

Department of Foreign Affairs and International Trade. Through a contract with the Department of Foreign Affairs and International Trade, Dr. Keeley served as supervisor and editor for a paper written by Dr. Zhang Hui, a Postdoctoral Fellow at the Center for

Energy and Environmental Studies at Princeton University, which was presented at the 15th Annual Ottawa NACD Verification Symposium, “*Arms Control and the Rule of Law: A Framework for Peace and Security in Outer Space*,” Chateau Montebello, March 11-14, 1998. The paper was published as “A View on the Application of Overhead Imagery to Strengthen the IAEA Safeguards Regime,” in J. Marshall Beier and Steven Mataja (eds.), *Arms Control and the Rule of Law: A Framework for Peace and Security in Outer Space* (Toronto: Centre for International and Security Studies, York University, 1998), pp. 145-162.

Visit of DND Representatives. Marc Whittingham, Director Public Policy ADM (Policy), visited the University of Calgary on June 3, 1998. He met with representatives of the CMSS, and with members of the University’s senior administration; President Terrence White, Dr. Brian Gaines (Dean of the Faculty of Graduate Studies), and Dr. Stephen Randall (Dean of the Faculty of Social Sciences).

Royal Military College (RMC). Discussions have been ongoing with Dr. Jim Barrett, Dean of Continuing Studies, at RMC, regarding cooperative efforts in postgraduate education. A Memorandum of Understanding is being created between RMC and the CMSS which will encourage the sharing of expertise and courses in order to provide the best quality graduate education to military officers in Canada.

RMC – Keynote Address. Dr. Bercuson gave the keynote address, “Defence Education for 2000...and Beyond” to Educating Canada’s Military: A Workshop on new University Programmes for the Canadian Armed Forces, Royal Military College, Kingston, Ontario, 7 December 1998.

Interaction with Other SDF Centres.

The CMSS has developed a new partnership with RMC and is extending that partnership to ten other Strategic Studies Centres in Canada as well as DND and CF. In the process, we intend to share available resources for graduate education. The MSS program will be solidly cross-disciplinary and offered by distinguished faculty at the U of C.

Integrated Maritime Enforcement Project. Dr. Huebert is involved with an ongoing multi-year project on rated Maritime Enforcement with Dalhousie University, St. Mary’s University, and the University of Victoria. The most recent conference was held in February 1998. It has just been announced that the project has been granted a SSHRC research grant for \$70,000.

Second Working Group Meeting of the Maritime Issues of the Canadian Consortium on Asia Pacific Security (CANCAPS). On March 5-6, the CMSS hosted the 2nd meeting of this Working Group. Including representatives from Dalhousie University, the University of Victoria and Maritime Forces Pacific, plans were developed for the CANCAPS annual meeting in December and a research agenda on issues of maritime security in the Asia Pacific region was established.

7.0 INTERACTION WITH NON-GOVERNMENTAL ORGANIZATIONS

United States Information Service (USIS) Cross-American Briefing Trip. Sponsored by the United States Information Service, Dr. Huebert was elected as only one of two Canadians for inclusion in a group comprising of approximately 15 Europeans who are

academics, politicians, civil servants, diplomats or from the media. The group discussed American foreign policy with policy-makers, diplomats, industry representatives and members of non-governmental organizations. The trip included stops in Washington, DC, St. Louis, San Francisco, San Jose and New York.

Air Force Association of Canada. Dr. Bercuson was a guest speaker at an Air Force Association of Canada, 783 (Calgary) Wing meeting on April 27, 1998, addressing the group on the current status of the initiatives for Armed Forces reform.

Begin-Sadat Center for Strategic Studies. Dr. Bercuson was invited to participate in an international conference on “Armed Forces and Democratic Societies into the 21st Century: Comparative Perspectives and Trends”, held at Bar-Ilan University, June 8-10, 1998.

Canadian Arctic Resource Committee (CARC). Dr. Huebert has been appointed a member of the Board for CARC.

Editor – Calgary Herald. At the invitation of the Dean of the Faculty of Social Sciences, Dr. Bercuson attended a breakfast meeting on April 14, 1998 with the Editor of the Calgary Herald to discuss Canadian politics and public policy.

8.0 USE OF INFORMATION TECHNOLOGIES

With the addition of Courtney Campbell as the Centre’s full-time Systems Administrator, Courtney’s accomplishments over the past year include:

Web Design

- Designed the Military and Strategic Studies Interest Group’s website
<http://www.stratnet.ucalgary.ca/mssig/>
- design and development of website in progress for the Canadian Battle for Normandy Foundation (CBNF)
- created website for Dr. Bercuson, including links to his history courses with regular updates of course materials and lectures
- working with Dr. Madsen on the development of the Strategic Studies Newsletter “*Reveries*” and the on-line Journal
<http://www.ucalgary.ca/UofC/faculties/SS/POLI/poli283/simulati.htm>

StratNet

StratNet – The Strategic Studies Network is a complete on-line information resource for security, strategic studies, international relations and politics. StratNet is the first World Wide Web site of its kind to collect and correlate available strategic studies resources into one on-line resource. URL: <http://www.stratnet.ucalgary.ca> This innovative Website includes information on the MSS program and the Outreach high school project. Of particular note, StratLink, is the most popular section of StratNet, containing hundreds of links to web sites from around the world dealing with security, strategic studies and politics and international relations. Organized into seventeen general areas ranging from

the Canadian military to Research Centres, StratLink is an indispensable resource for on-line research.

IRNET – A Guide to International Relations Internet Resources, by Jay Brandes, <http://www.tsufl.edu/library/8/i8r.htm> comments on StratNet. Comments included “**everything** about StratNet is unique and well worth a look.”

Master of Strategic Studies (MSS) Proposal

- Researched video-conferencing technologies
- Researched distance education and web-based learning methods
- Tested mini QuickCam video-cameras via ethernet for quality

MSS Courses will be offered to the students via distance education, using video-conferenced classrooms to offer real-time participation. Lectures and seminars will take place at the University’s facilities, while students at any of the five western Canadian Forces Bases will use their own video-conferenced facilities. The majority of communication will take place using e-mail, web-site material, and on-line discussion groups.

Y2K Task Force Committee

- Met with Vincent Van Hyfte (U of C’s Y2K Project Leader) to create an awareness of potential problems and risks, plan a timeline and discuss assessment strategies
- Tested computer hardware using Ymark software; peripheral equipment checked on manufacturer’s websites to be Y2K-compliant
- Installed NT Server Service Pack 4 on our main server, regular updates to other workstations
- Enforced back-up strategies, using both a cd-writer and zip disks
- Several status reports given to Vincent Van Hyfte

High School Outreach Program

Ongoing discussions with the Calgary Catholic School Board’s Social Studies Department regarding the design and implementation of an updated on-line curriculum (to be based from the StratNet Website).

Reveries: The Electronic Newsletter of the Centre for Military and Strategic Studies

The inaugural issue of the electronic newsletter of the Centre for Military and Strategic Studies at the University of Calgary was produced in winter 1999. The newsletter will be published twice a year to provide news about upcoming events, review recent activities, and highlight the work of our research fellows and staff.

The inaugural issue included papers, events, and other activities:

- Paper by Jeffrey G. Gilmour: Op. Desert Fox
- Paper by Holger H. Herwig: Canada, Sea Power, and the Pacific
- First Annual Ross Ellis Memorial Lecture
- DND Consultative Seminar on Change in the Canadian Forces, 1 February 1999
- Symposium: Bullets, Butter and Trade, 12 – 13 March 1999

- First Annual Military and Strategic Studies Interest Group Colloquium
- 1998 DND Yugoslavia Tour
- National Training Center, Fort Irwin, July 1998
- CFB Esquimalt trip, September – October 1998
- CFB Suffield trip

Ongoing

CMSS strives to be a leader in the use of information technologies. With the recent establishment of the University's Distance and Distributed Learning Commons, CMSS has consulted and worked with the Learning Commons in order to implement a distance-delivered MSS program through video-conferencing technologies using web-based learning methods.

Ongoing Web design and development of an updated on-line curriculum in conjunction with the Calgary Catholic School Board's Social Studies Department, are two continuing goals of the CMSS.

9.0 SECURITY AND DEFENCE CONFERENCES HOSTED AND/OR ATTENDED

Scholarly Presentations/Seminars/Conferences

1st Annual Military and Strategic Studies Interest Group Colloquium, University of Calgary, 8 April 1999. Plans are underway for the Military and Strategic Studies Interest Group's first student colloquium, a one-day conference on military and strategic studies. The focus will be on all aspects of strategic and military studies, historical and contemporary. A Call for Student Papers was issued for abstracts on a number of potential topics such as: Peacekeeping, RMA, Canadian Military History, Naval Power, Civil-Military Relations, Dual-use technologies, and Future of Russia. Over 20 papers were submitted from graduate and undergraduate students from a number of disciplines.

1998 SDF NATO Tour. Mr. Dean Turner, special case PhD student with the CMSS and former Technician of the Centre, participated in the 1998 SDF NATO tour.

Digital Video Conference. Supported by the United States Information Service, a Digital Video Conference, "U.S. Foreign Policy: Responding to a Changing World" was conducted at the University of Calgary on April 9, 1998. The featured guest, speaking "on the record", via digital video from Toronto was Ambassador Derek Shearer. Ambassador Shearer responded to questions from audiences in Ottawa, Calgary, Montreal, and Vancouver, on the current state of U.S. foreign policy.

1998 DND Yugoslavia Tour. At the invitation of the Department of National Defence, Dr. Bercuson, also a member of the Minister's Monitoring Committee on Change in the Canadian Forces, travelled to the war-torn territories of the former Yugoslavia with a group of fellow academics and civilian employees from National Defence Headquarters. During the course of the trip, Dr. Bercuson and his colleagues visited with Canadian troops stationed on peacekeeping duties that was part of the NATO-sponsored Stabilization Force (SFOR) contingent, toured the surrounding countryside, and heard briefings on the ongoing tensions between the Serbs, Croats, and Bosnian Muslims.

NATO: An Alliance in Evolution. Two presentations were made at the University of Calgary by Lieutenant Colonel Jerome W. Church, British Army, Mons, Belgium and Lieutenant Colonel Terence W. Loveridge, Canadian Forces, Northfolk, Virginia on May 21, 1998. NATO's Supreme Allied Commander, Atlantic, commended our efforts in making the arrangements for the NATO Briefing Team during their visit to Calgary.

CANCAPS. Rob Huebert and Jeff Gilmour attended the Sixth Annual CANCAPS Conference on December 4-6, 1998, in Victoria, British Columbia.

Participation in Workshops/Conferences/Tours

- Department of National Defence Consultative Seminar on Change in the Canadian Forces, Calgary, Alberta, 1 February 1999. Members of the CMSS participated.
- 1998 Conference of the Organization for the History of Canada, Calgary, Alberta, 5-7 November 1998. Members of the CMSS participated.
- The CMSS organized a successful field trip to CFB Esquimalt, 28 September to 1 October 1998.
- Bercuson, David. Participated in The Conference Board of Canada's plenary session of the Western Compensation and Human Resources Conference in Calgary, November 2, 1998. Dr. Bercuson's presentation on *Public Policy Outlook: What is the Government Agenda* was extremely well received by participants.
- Bercuson, David. "War and the New Global Order: Has Anything Really Changed?" A paper read to the 1998 University of Manitoba Political Studies Student's Conference, February 1998.
- Bercuson, David. "The Canadian Forces Confront the Post-Cold War World." A paper read to the conference on Democracies and Their Armed Forces towards the 21st Century: Israel in Comparative Perspective, Bar-Ilan University, Tel Aviv, Israel, 8-10 June, 1998.
- Bercuson, David. "Defence Education for 2000...and Beyond." Keynote paper read to Educating Canada's Military: A Workshop on new University Programmes for the Canadian Armed Forces, Royal Military College, Kingston, Ontario, 7 December 1998.
- Bercuson, David. Presenter at the Department of National Defence Security and Defence Forum Annual Conference in Ottawa, April 1998.
- Bercuson, David. Spoke to a group of senior students regarding career initiatives at Central Memorial High School on April 7, 1998.
- Bercuson, David and Herwig, Holger. Keynote speakers at the 14th Annual Holocaust Education Symposium at Mount Royal College in May 1998. The annual series, which is sponsored by the Calgary Board of Education, Calgary Catholic Board of Education, Calgary Jewish Centre, Holocaust Remembrance Committee, University of Calgary and Mount Royal College, was attended by 1800 high school students from the greater Calgary area.

- Bercuson, David. Participant in Society for Military History 1998 Annual Meeting, “Citizens in Uniform”, 23-26 April 1998, in Wheaton, Illinois.
- Bercuson, David. Chaired session at the International Conference on Maritime History, “Naval War, Exploration Societies at Sea”, Calgary, June 25-27, 1998.
- Boutilier, James, “Canada’s Navy”. Dr. Boutilier, Special Advisor (Policy) Maritime Forces Pacific Headquarters delivered a seminar on February 2, 1999 at the University of Calgary and also shared his expertise with Dr. Huebert’s class. His presentation was well attended and extremely well received.
- Gilmour, Jeff. Participant/Speaker at DND Consultative Seminar in Calgary, February 1999.
- Gilmour, Jeff. Participant at CANCEPS Maritime Security Committee meeting in Calgary, March 1999.
- Herwig, Holger, “Evil in the Modern World.” Centre for Studies in Religion and Society, University of Victoria, February 1998.
- Herwig, Holger, “NATO Expansion: Opportunity or Burden?” Rotary Club, High River and Okotoks, Alberta, February 1998.
- Herwig, Holger, “War, War, War: Conrad von Hotzendorf and Austro-Hungarian War Planning July 1914.” Great War Society, Oakland California, 29 April 1998.
- Herwig, Holger, “Strange Bedfellows: Germany and Austria-Hungary 1914.” 18th Annual History Symposium, U.S. Air Force Academy, Colorado Springs, Colorado, 22 October 1998.
- Herwig, Holger, Member, Organizing Committee and Commentator, Canadian Nautical Research Society, Annual Conference, Calgary, May 1998.
- Herwig, Holger, Presented a lecture entitled “The German Tradition of Civil-Military Relations” at the Carleton University School of Business on March 9, 1999. The presentation was part of a program on Democratic Civil-Military Relations hosted jointly by the Association of Universities and Colleges of Canada and the Department of National Defence.
- Keeley, James. Participant at the 15th Annual Ottawa NACD Verification Symposium, “Arms Control and the Rule of Law: A Framework for Peace and Security in Outer Space,” Chateau Montebello, March 11-14, 1998.
- Keeley, James. Participant at video conference, “U.S. Foreign Policy: Responding to a Changing World,” University of Calgary, April 9, 1998.
- Keeley, James, “International Regimes and Garbage Can Processes,” presentation at a Faculty-Graduate Seminar, Department of Political Science, University of Calgary, March 27, 1998.
- Lackenbauer, Whitney, 1998 Conference of Defence Associations Institute Canadian Military Affairs Symposium, Ottawa, Ontario, 13-14 November `998.

- Lackenbauer, Whitney, 1998 Battle of Normandy Foundation Study Tour, May-June 1998.
- Madsen, Chris, “The Royal Navy and Procurement of the Oerlikon 20 mmm Anti-Aircraft Gun, 1939-1944”, North Western Conference on British Studies, Victoria, 30 October 1998.
- Madsen, Chris, “White Bastards and Striking Sailors: Mutiny in the Royal Indian Navy, February 1946”, International Conference on Maritime History, Calgary, 25 June 1998.
- Madsen, Chris, attended the Summer Workshop on the Analysis of Military Operations and Strategy, sponsored by Columbia University’s Institute for War and Peace Studies at Cornell University, Ithaca, New York. The workshop included a field trip to observe a brigade-level mechanized warfare battlefield exercise at the National Training Centre, Fort Irwin, California.
- Shelly, Christine. Supported by the United States Information Service, Ms. Shelly, Minister-Counselor for Political Affairs, U.S. Embassy in Ottawa, spoke to students and faculty at the University of Calgary on December 10, 1998 about Current Issues in U.S. Defense Policy. Her thought provoking presentation was well attended.

10.0 REGIONAL AND LINGUISTIC REPRESENTATION

The CMSS at the U of C strives to be a leading partner in strategic studies in western Canada and beyond. As the only SDF centre in Alberta, we have contributed significantly over the past year in terms of fostering informed public discussion and commentary on issues relating to security and defence through our activities and initiatives.

Of particular note, the present initiative to offer a MSS degree comes largely as a measure designed to enhance the University’s international visibility by way of mounting a cross-disciplinary, inter-departmental/faculty graduate degree on the part U of C scholars. Following the recommendation of the Minister of National Defence in March 1997: that a university degree was to become a prerequisite to commissioning as an officer; and that cooperative programs between RMC and civilian institutions of higher learning be strengthened, we have seized upon those initiatives and, through consultations with the Ministry of National Defence and RMC, are well positioned to become an active and leading partner in strategic studies in western Canada and beyond.

In addition, the MSS is a major step in fulfilling the Government of Alberta’s “White Paper” on advanced education by developing a new “centre of program specialization” to ensure “quality, cost-effectiveness and efficiency.” We intend to deliver the MSS through distance delivery to qualified personnel at the five major Western Canadian bases—CFB Esquimalt, CFB Edmonton, CFB Cold Lake, CFB Shilo, and CFB Winnipeg which comprises the Kap’young barracks and No. 17 Wing, 1st Canadian Air Division.

TEACHING AND RESEARCH ACTIVITIES

11.0 UNDERGRADUATE AND GRADUATE SECURITY AND DEFENCE COURSES

- Bercuson, David, Historical Studies 349.9, *Canada Since 1867*, 36 students enrolled in this course.
- Bercuson, David, Historical Studies, 349.01, *Canadian Military History*, 41 students registered in this course.
- Bercuson, David, Historical Studies 203.91, *Introduction to History: Canada*, 31 students enrolled in this course.
- Bercuson, David, Historical Studies 545.02, *Advanced Canadian Military History*, 18 students registered in this course.
- Herwig, Holger, Historical Studies, 413.02, *Germany Since 1848*. 57 students enrolled in this 90-minute class in the winter term.
- Herwig, Holger, Historical Studies 515, *The Holocaust*. 20 students attended this all day course for five days as a block course offered in the winter term.
- Herwig, Holger, Historical Studies, 596, reading course offered in the winter term.
- Herwig, Holger, Historical Studies, 598, reading course offered in the winter term.
- Herwig, Holger, Historical Studies 691, reading course offered in the winter term.
- Huebert, Rob, Political Science, 283.4, *Issues and Trends in World Politics*. 81 students enrolled in this winter course. A highlight for the students occurred during the February Iraq crisis. The A-Channel sent one of their reporters to film the class expressing their thoughts. The station then used part of the footage on the evening news which presented the views of five students.
- Huebert, Rob, Political Science 439.2, *Strategic Studies*. 44 students enrolled in this winter course. A number of students expressed a desire to pursue their studies in the area of strategic studies. As a result, Dr. Huebert has agreed to offer a reading course on the elements of Seapower.
- Huebert, Rob, Political Science 501, *Reading Course (Latin America Security)*. The focus of this reading course was on understanding the changing nature of security in Central and South America after the Cold War.
- Huebert, Rob, Political Science 501, *Reading Course (European Security)*. The focus of this reading course was on understanding the evolving nature of security in Europe in the Post-Cold War period.
- Huebert, Rob, Political Science 597.17, *Role of Nuclear Weapons in the India-Pakistan Conflict*. The focus of this course was on understanding the impact that the recent testing of nuclear weapons by India and Pakistan has had on their relationship.

- Huebert, Rob, Political Science 597.21, *Arctic Security*. The focus of this course was on understanding the changes that have occurred in the circumpolar north security system. The main issues examined by the study focused on the changing nature of security itself as well as addressing the key issue areas.
- Huebert, Rob, Political Science 283.3, *Issues and Trends in World Politics (Internet)*. 12 students enrolled in this fall course. With the support of LEE funding, Dr. Huebert developed and delivered the first internet-based course offered by the Department of Political Science. The course demonstrated the potential of such alternative delivery methods.
- Huebert, Rob, Political Science 439.1, *Strategic Studies*. 44 students enrolled in this fall course. Several students have expressed an interest to Dr. Huebert to continue their academic studies in international relations and security studies.
- Huebert, Rob, Political Science 597.22, *Seapower*. 10 students enrolled in this fall course. This course was offered at the request of several students from Dr. Huebert's other courses who wanted the opportunity to further extend their knowledge of strategic studies. The students participated on the field trip to the Canadian naval base in Esquimalt.
- Keeley, James, Political Science 385.01, *Introduction to International Organizations*. 60 students enrolled in this winter lecture.
- Keeley, James, Political Science 501, *Independent Research*. 2 students enrolled in this independent research course offered in the winter term.
- Keeley, James, Political Science 381.20, *Introduction to International Relations*. 18 students attended this spring lecture.
- Keeley, James, Political Science 383.20, *Introduction to International Law*. 19 students attended this spring lecture.
- Keeley, James, Political Science 383.01, *Introduction to International Law*. 72 students enrolled in this fall lecture.
- Keeley, James, Political Science 581.01, *Selected Topics in International Law and Organization*. 23 students enrolled in this fall seminar.
- Keeley, James, International Relations 501. As program Co-ordinator for the Social Sciences BA in International Relations, Dr. Keeley developed this capstone course for the program which was delivered in the Winter 1998 term.
- Madsen, Chris, awarded a \$4830 Special Sessions Innovation Grant from the Faculty of Continuing Studies to develop a CD-ROM delivered course on "Military Realism" (Historical Studies 545.03) for the Spring 1999 session.
- Madsen, Chris, taught Historical Studies 403, "South Asian History from 1757 to 1947 from September to December 1998.
- Madsen, Chris, taught Historical Studies 333, "The Age of Totalitarianism: 20th Century Europe" from May – June 1998.

Master of Strategic Studies (MSS) Courses

MSS Core Courses		
HTST 609	Bercuson, D.J.	Topics in Canadian Military and Diplomatic History A seminar covering various aspects of the history of the Canadian military and Canadian defence policy.
HTST 637	Herwig, H.H.	Topics in Military History A seminar covering various aspects of European and American military and naval issues.
PHIL 601	Hurka, T.	Morality and War The course will examine ethical issues about war including both issues about when it is ethically permissible to resort to war (<i>ins ad bellum</i>) and issues about which means of waging war are permissible once it has begun (<i>ins in bello</i>). More specifically, the course will examine the application to both sets of issues of what is called “just war theory”.
POLI 681	Keeley, J.	Advanced Analysis of International Relations Selected issues and approaches in the analysis of world politics.
POLI 685	Huebert, R.	Strategic Studies Advanced seminar in major topics in strategic studies, such as arms control, deterrence, and other military doctrines.

Selecting Courses. Course selection for the MSS is determined by the program rationale – that all students must successfully complete the military/defence/security studies liberal arts core as well as more specialized or technical study through the course electives and/or the preparation of a thesis, depending on which option is chosen.

The course selection procedure for the MSS is designed to lay a liberal arts basis for military/defence/security studies through the core courses, then add more specialized or detailed technical knowledge via the thesis and/or list of elective courses. The five core courses have been selected with the purpose of providing a unified approach to strategic studies within a Canadian context. They are intended to meet the objectives of introducing Canadian officers to the advanced study of:

- the history of war
- the history of Canada at war
- strategic studies as a discipline
- the difficult ethical and moral choices that war poses

- the international relations which form the context of current military/defence/security issues

MSS Electives		
ENCI 697	Hartman, F.T.	<p>Project Planning and Control</p> <p>Strategic and tactical planning; planning for scope, quality, time and cost; selection and implementation of project management information system; economic and risk analysis; planning for construction labour relations.</p>
ENCI 699	Jergeas, G.J.	<p>Law for Project Managers</p> <p>Legal issues related to the effective management of projects. Introduction to the legal system and processes; environmental law; intellectual property nondisclosure; professional liability; contract law; strategic alliances; employment law; the builder's lien act. Cases are reviewed and students are expected to complete a number of assignments requiring research into case law.</p>
ENGO 613	Blais, R.	<p>Geodetic Reference Systems</p> <p>Overview of geodetic reference systems and required accuracies. Star catalogues for optical and radio observations. Very long baseline interferometry (VLBI) and applications. Satellite and lunar laser ranging systems and applications. Precession, nutation, polar motion, Earth rotation and related monitoring systems. Absolute and relative reference gravity networks. North American horizontal and vertical datums. Relationships between global supernetworks and national geodetic networks. Time variations and geodynamical aspects of geodetic reference systems. Current research activities.</p>
ENGO 615	Sideris, M.	<p>Advanced Physical Geodesy</p> <p>Potential theory and geodetic boundary value problems (GBVPs). Solution approaches to the Molodensky problem. Least-squares collocation (LSC). Hilbert spaces with kernel functions. Variational principles, improperly posed problems and regularization. The altimetry-gravimetry and overdetermined GBVPs. Solution of GBVPs by integral techniques, fast Fourier transforms and LSC. Use of heterogeneous data sets and noise propagation. Applications to gravity prediction, geoid determination, deflection estimation, satellite altimetry and airborne gravimetry and gradiometry. Current research activities.</p>

ENGO 623	Schwarz, K.-P.	<p>Inertial Surveying and INS/GPS Integration</p> <p>Principles of inertial positioning and inertial gravimetry; their relation to inertial navigation. Definition of an operational inertial frame. Inertial error modes as perturbation solutions about a reference trajectory. State space formulation and the computation of the transition matrix. Real-time estimation using zero velocity updates; Kalman filtering and alternatives. Post-mission estimation, optimal and empirical smoothing, use of different observables. Existing inertial survey systems; new developments in strapdown technology. Practical aspects of inertial positioning and inertial gravimetry. INS/GPS integration. Current research activities.</p>
ENGO 625	Lachapelle, G.J.	<p>Navstar GPS: Theory and Applications</p> <p>Overview of space positioning and navigation systems; concepts and general description. GPS signal description. Receiver and antenna characteristics and capabilities; GPS error sources and biases; atmospheric delays, signal reflection and countermeasures. Mathematical models for static point and relative positioning. Kinematic single point and differential post mission and real time positioning and navigation. Land, marine and airborne applications. Telemetry link requirements for differential positioning. GPS software.</p>
ENGO 635	Chapman, M.	<p>Non-Topographical Photogrammetry</p> <p>Data acquisition systems employed in non-topographical photogrammetry: metric and non-metric cameras, and non-conventional imagery. Close-range photogrammetric system calibration: mathematical formulation, self-calibration and image geometry factors. Analytical and digital approaches in data reduction, with emphasis on the bundle and Direct Linear Transformation-type methods. Photogrammetric network design and post-adjustment analysis. Overview of current applications, including engineering, x-ray, medical and industrial photogrammetry. Selected case studies.</p>
ENGO 653	El-Sheimy, N.	<p>Digital Terrain Modelling and Applications</p> <p>Global and local modelling strategies for topography. Elements of spatial topology and geomorphology. Breaklines, trends, periodicities and related features. Sampling techniques and accuracy considerations. Triangulations, tessellations and other partitions. Contouring, shading, and other graphical representations. Network modelling approaches of Werner and Warntz. Graph theoretic approach of Pfaltz. Contour trees and generalizations. Surface patchwork intelligent approach. Fractals and applications. Overview of data structures. Current research activities.</p>

ENGO 655	Collins, M.	<p>Information Extraction from Digital Imagery</p> <p>Advanced techniques for analysis and interpretation of remotely sensed imagery, with emphasis on data acquired from satellite and airborne platforms. Methods of enhancement and display, including histogram transformation, detection and characterization of texture, edge and line, and filtering. Techniques for feature extraction, including clustering and related statistical methods, such as maximum likelihood estimation, decision tree structures, contextual classification, knowledge-based methods. Procedures for handling multitemporal (time-varying) data for topographic map updating and resource monitoring. Selected case studies.</p>
* ENME 619.XX	Potter, I.J./ Reader, G.T.	<p>Underwater Technology: Weapons, Surveillance and Mine Clearance Platforms</p> <p>The requirements for underwater systems, their design and their operational scenarios. Topics include the development and future of underwater weaponry, autonomous agents for surveillance and the application of mine clearance systems with diver intervention.</p>
* ENME 619.XX	Potter, I.J./ Reader, G.T.	<p>Ocean Environmental Management and Technology</p> <p>This course covers the principles and current issues in environmental engineering as applied to the ocean environment with the principal focus on marine pollution from commercial and military offshore shipping facilities; its causes, effects and remediation, and the implications for operational effectiveness.</p>
* ENME 619.XX	Potter, I.J./ Reader, G.T.	<p>Submarine Technology for the 21st Century</p> <p>Discussion of the driving forces for the past, present and future development of underwater warfare platforms, with the focus of the technological advancements and operational effectiveness demanded for such systems.</p>
GEOG 535	Franklin, S.E.	<p>Environmental Image Analysis and Modelling</p> <p>Advanced Digital image analysis of aerial and satellite remote sensing data in environmental and physical geography studies including mapping, monitoring, and modelling the natural landscape.</p>

GEOG 695	Nkemdirim, L.C.	Seminar in Geographic Research Methods Seminar course which emphasizes approaches to research methods and analysis. Each student presents two seminars. In first research methodology used in a specific investigation in the student's field is critiqued. In the second, the student presents a paper based on his/her own research. The teacher gives a ten-hour lecture on models and their uses.
HTST 519	Brennan, P.H.	Canada from Laurier to Pearson Political, social and economic developments in Canada from 1896 – 1968; with particular emphasis on domestic history.
HTST 527	Brennan, P.H.	History of Canadian Foreign and Defence Policy and the Canadian Military in World War Two and the Cold War Era Selected topics in Canadian foreign policy, Canadian defence policy or Canadian military history in the period from the outbreak of World War Two in 1939 to the 1980s.
HTST 545	Ferris, J.R.	Studies in Military History An examination of selected problems in modern military history. Topics may include: military theory; guerrilla warfare from the 18 th century to the 20 th century; evolution of tactics in World War I, development of military medicine; innovation in European armies; colonial wars.
HTST 583	Randall, S.J.	The United States and the World Since 1890 A historical and analytical examination of the development of modern United States foreign policy from the late nineteenth century to the present. Topics include the institutional structure of foreign policy decision making, including the role of the President, Congress, State Department, Pentagon, and public opinion, and the relationship between domestic politics and foreign policy. Historical dimensions include the turn to imperialism, World War I, the coming of World War II, the Cold War, Korea, Vietnam, Latin American relations, strategic arms limitations talks, and détente.
HTST 601	Peers, D.	Historical Studies: Topics in Imperial History
HTST 643	Keren, S./ Bercuson, D.J.	Historical Studies: Topics on the History of the Israeli Defence Forces This course will introduce students to the main issues and dilemmas involved in the building of the Israeli Defence Forces against a background of events in the Middle East in the 20 th century. The course will be organized as a seminar. Whenever the course is taught, one or two major themes will be selected.

HTST 645	Randall, S.J.	Modern U.S. Foreign Policy
HTST 647	Kraay, H.	Topics in Latin American History
LAW 549	Saunders, O.	International Law The elements of public international law including the role of customary law, the law of treaties, recognition enforcement problems and the roles and powers of international organizations. In exploring these areas the focus of resource development, environmental control and arms limitations is utilized.
LAW 649.03	Pask, D.	Immigration and Refugee Law
LAW 665	McConnell, I.	International Trade Law The public law framework for international trade. Emphasis will be placed on the FTA, NAFTA, and GATT. Topics to be covered include basic principles of international trade law, anti-dumping and countervail actions, and dispute resolution.
POEN 691	Hartman, F.T.	Fundamentals of Project Management Application of management principles to the project environment; planning control, scope, time and cost processes; project organization and human resource issues. Students review a current major capital project and submit and defend a project report.
POLI 581	Keeley, J.F.	Selected Topics in International Law and Organizations An advanced seminar on international order and on cooperative and competitive efforts by states and other international actors to create, maintain and change that order.
STAS 591	Langford, C.H.	Special Topics in Science and Technology An integrative seminar on approaches to the social studies of science, technology, and innovation, including a major research paper relevant to the interests of the student.

12.0 GRADUATE AND POST DOCTORAL STUDENTS STUDYING SECURITY AND DEFENCE TOPICS

Advising/Supervision

- Bergen, Bob. This special case PhD candidate in Strategic Studies has been formally admitted by the Faculty of Graduate Studies to begin in May 1999.
- Dowding, J. This BA (Hons) student is studying “Canadian Seapower and Diplomacy” under the supervision of Dr. Huebert.

- Gendron, Robin. This PhD candidate in the Department of History is studying under the supervision of Dr. Bercuson.
- Gore, Brett. Dr. Herwig is currently supervising this MA candidate in the Department of History.
- Heerschop, A. This BA (Hons) student is studying under the supervision of Dr. Huebert. Topic: “Achieving Objectives: The Influence of President-Prime Minister Relations.
- Hulseymeyer, Axel. This PhD candidate in the Department of Political Science is studying under the supervision of Dr. Keeley.
- Jeffs, B. This BA (Hons) student is studying “the causes behind the Clinton’s administration decision to veto Boutros-Ghali”, under the supervision of Dr. Huebert.
- Lackenbauer, Whitney. This MA candidate is completing a fast-track MA in History under the supervision of Dr. Bercuson. Whitney’s MA thesis topic is “Military Property Development in Calgary”.
- Taary, S. This BA (Hons) candidate is studying “European Security in the Post-Cold War Era” under the supervision of Dr. Huebert.
- MacWha, Shawn. This PhD candidate in the Department of Political Science is studying under the supervision of Dr. Keeley.
- Niadzialek, C. This BA (Hons) candidate is studying “the Canadian Landmine Initiative: An Examination of Canada’s Initiative to Ban Landmines and the International Community’s Reaction”, under the supervision of Dr. Huebert.
- Owen, Robert. This Honours BA student graduated under the supervision of Dr. Keeley.
- Pavelec, Sterling. Dr. Herwig is currently supervising this MA candidate in the Department of History.
- Prior, Andrew. This Honours BA student graduated under the supervision of Dr. Keeley.
- Scheible, Cynthia. This Honours BA student graduated under the supervision of Dr. Keeley.
- Sherwin, Tamara. This PhD candidate in the Department of History is studying under the supervision of Dr. Bercuson.
- Thrift, Gayle. Dr. Bercuson is co-supervising this PhD candidate in the Department of History.
- Turner, Dean. Special case PhD candidate in Strategic Studies.

- Yvonne Youngberg. Dr. Herwig is currently supervising this PhD candidate in the Department of History.
- Winzoski, K. Dr. Keeley is currently supervising this Honours BA student in the Department of Political Science.

Graduate Clinical Trainees

- Huebert, Rob. Conducted a Workshop on How to Apply for Graduate Studies, University of Calgary, October 22, 1998.
- Huebert, Rob. Conducted a Workshop on How to Start a Student Journal – Canadian Political Science Students Association (CPSA) Conference, University of Calgary, 1998.

Examiner/Supervisory Committee Member/External Examination

- Herwig, Holger. Committee member for D. Campbell's PhD examination, May 1998.
- Herwig, Holger. Committee member for C. Bell's PhD defence, June 1998.
- Herwig, Holger. Committee member for A. Statiev's MA thesis defence, June 1998.
- Huebert, Rob. Committee member for C.M. Bell, PhD candidate in History, "British Ideas of Sea Power, 1919-1941".
- Huebert, Rob. Committee member for A. Hulsemmer, PhD candidate in Political Science, "Globalization and the Institutional Adjustment of States: Federalism as an Obstacle?"
- Huebert, Rob. Committee member for S. MacWha, PhD candidate in Political Science, "Towards a Neoliberal-Weak Cognitive Theory of Regime Formation".
- Huebert, Rob. Committee member for T. Sherwin, PhD candidate in History, "Comparative Canada-United States Civil Military Relations".
- Huebert, Rob. Committee member for G. Frith, PhD candidate in History, "The Bible and the A-bomb: Canadian Protestant Churches in the Cold War Years, 1945-1960".
- Huebert, Rob. Committee member for A. Statiev, MA candidate in History, "Still Our Best Allies: The Romanian Armed Forces in Peace and in War, 1919-1941".
- Huebert, Rob. Committee member for M. Kozakavich, MA candidate in Political Science, "Russian Security and Intelligence Services".
- Huebert, Rob. Committee member (2nd Reader) for M. Gray, BA (Hons) student in Political Science, "Becoming Normal: The Japanese Perspective on the Future of Japan-United States Relations and Japanese Rearmament".

- Huebert, Rob. External Examiner for C. Crowder, MA student in Political Science at Memorial University, “Freedom of the Sea to Fishery Conservation: An Evolving Ocean Management Regime?”
- Huebert, Rob. Committee member (2nd Reader) for R. Owen, BA (Hons) student in Political Science, “Intellectual Property Rights in the People’s Republic of China (Sino-US Trade Negotiations and Accession to the World Trade Organization)”.
- Huebert, Rob. Committee member (2nd Reader) for A. Prior, BA (Hons) student in Political Science, “The Legal Regime of Commercial Remote Sensing Data Dissemination”.
- Huebert, Rob. Committee member (2nd Reader) for C. Scheible, BA (Hons) student in Political Science, “Have Plutonium, Will Travel: Fissile Material Smuggling From the Former Soviet Union”.
- Huebert, Rob. Committee member (2nd Reader) for R. Vaugeois (BA Hons) student in the Department of Political Science, “Development in Africa: Where to Start”.
- Keeley, James. Examiner for Ms. Ying He, MA Political Science. Passed 1998.
- Keeley, James. Second Reader for Ms. Charlene Niadzialek, BA (Hons) Political Science. Passed 1998.
- Keeley, James. Second Reader for Mr. Jonathan Bahniuk, BA (Hons) Political Science. Passed 1998.
- Keeley, James. External Examiner for Mr. Godfrey K. Tang, MA History. Passed 1998.

13.0 PUBLICATIONS

Documentaries

- Bercuson, David. A documentary, A Canadian in Korea, aired on the History Channel in February, 1999. Produced by David Paperny Films Inc., Vancouver, British Columbia.
- Bercuson, David. A documentary, Fallen Hero: The Tommy Prince Story, aired on the History Channel on the eve of November 10, 1998, as part of Remembrance Day Week. Produced by David Paperny Films Inc., Vancouver, British Columbia.
- Bercuson, David. A documentary, Prairie Fire: The Winnipeg General Strike of 1919, will air on the History Channel in June, 1999, to commemorate the 80th anniversary of the Winnipeg General Strike. Produced by David Paperny Films, Inc., Vancouver, British Columbia.
- Bercuson, David and Herwig, Holger. A documentary, Deadly Seas, based on a popular book by Drs. Bercuson and Herwig was aired on the History Channel on November 8, 1998. Produced by an award-winning Canadian filmmaker Michael Maclear, the two-hour program tells the story of the duel between the Canadian

Destroyer HMCS St. Croix and the German submarine U305. It is also the story of the two men in charge of those vessels: the captain of the St. Croix, Lt.-Cmdr. Andrew Hedley Dobson, and the commander of the U305, Lieut. Rudolph Bahr.

Books and Monographs

- Bercuson, David and Herwig, Holger, Deadly Seas: The Story of the St. Croix, the U305 and the Battle of the Atlantic. Toronto: Random House, 1998. 346 pp. Paperback edition.
- Herwig, Holger, “The Grand Illusion” The Prussianization of the Chilean Army”, with William F. Sater, University of Nebraska Press.
- Huebert, Rob, “The Voyage of the Polar Sea and Canadian Northern Foreign Policy”, Vancouver, UBC Press (under development for publication).
- Madsen, Chris, Another Kind of Justice: Canadian Military Law from Confederation to Somalia, (Vancouver: University of British Columbia Press, 1999). The book received an Aid to Scholarly Publications Grant from the Humanities and Social Sciences Federation and will be out by May 1999.

Book Chapters/Contributions

- Herwig, Holger, “The German Victories, 1917-1918” in Hew Strachan, ed., The Oxford Illustrated History of the First World War, Oxford and New York: Oxford University Press, 1998, Pp. 253-264.
- Herwig, Holger, “Strategisches Unsicherheitsprinzip. Die Vereinigten Staaten im Ersten Weltkrieg,” in: Internationale Marinen in Krieg und Frieden, E.S. Mittler & Sohn.
- Herwig, Holger, “Total Rhetoric, Limited War. Germany’s Unrestricted Submarine Campaign 1917-1918,” in: Total War III: The Case of the First World War, Cambridge University Press.
- Herwig, Holger, “Deutsche Seestrategie von Tirpitz zu Raeder,” in, Die Seestrategie der deutschen Marinen, R. Oldenbourg.
- Herwig, Holger, “Strategic uncertainties of a nation-state: Prussia-Germany, 1871-1918.” In W Murray, M. Knox, A. Bernstein, eds., The Making of Strategy: Rulers, States and War. Cambridge and New York: Cambridge University Press, 1998. Pp. 242-277. New and revised paper edition.
- Herwig, Holger, “Innovation ignored: The submarine problem: Germany, Britain, and the United States, 1919-1939,” in W. Murray and A. Millet, eds., Military Innovation in the Interwar Period. Cambridge and New York: Cambridge University Press, 1998. Pp. 227-264. New and revised paper edition.
- Herwig, Holger, “The Kaiser’s Elite: The German Naval Officer Corps 1848-1918,” in: German Navies 1848-1992 – From Confrontation to Co-operation, Naval Institute Press.

- Herwig, Holger, “Of Men and Myths – The Use and Abuse of History and the Great War,” in: *The First World War Reconsidered*, Cambridge University Press.
- Huebert, Rob, “Perceptions and Misperceptions in Naval Strategy: The Role of the Battleship in Peace and War” in *Naval Policy and History*, edited by Holger Herwig (London: Frank Cass Publishers, 1999).
- Huebert, Rob, “Integrated Maritime Enforcement: The Arctic” in *Canada’s Three Oceans: Strategies for Maritime Enforcement*, edited by Glen Herbert and Frank Crickard (Halifax: Centre for Foreign Policy Studies, 1998), pp. 135-157.
- Huebert, Rob, “The United Nations Convention on the Law of the Sea and Shipping” in *The Changing Strategic Importance of International Shipping*, edited by Ann Griffiths, Robert Thomas and Peter Haydon, (Halifax: Centre for Foreign Policy Studies, 1998), pp. 101-118.
- Huebert, Rob, “A Critique of Chapter 4 – ‘Post-Cold War Co-operation in the Arctic: From Interstate Conflict to New Agendas for Security.’ Omitted Arctic Security Issues”, included as an appendix in the *Calgary Working Group Recommendations and Assessment of the Report of the Standing Committee on Foreign Affairs and International Trade, “Canada and the Circumpolar World: Meeting the Challenges of Co-operation Into the Twenty-First Century”* edited by Robbie Keith (Ottawa: CARC, 1998), <http://www.carc.org.calgary/index.html>
- Keeley, James and Cameron, Jason, “The Need to Know: Commercial Satellite Imagery and IAEA Safeguards,” in Peter Gizeski (ed.), *Non-Proliferation, Arms Control and Disarmament: Enhancing Existing Regimes and Exploring New Dimensions* (Toronto: Centre for International and Security Studies, York University, 1998), pp. 13-33.
- Keeley, James and MacLean, George, “Calculating Costs: A Critical Assessment of Verification Costs for a Fissile Material Cutoff Treaty,” in Peter Gizewski (ed.), *Non-Proliferation, Arms Control and Disarmament: Enhancing Existing Regimes and Exploring New Dimensions* (Toronto: Centre for International and Security Studies, York University, 1998), pp. 107-128.
- Keeley, James, “Compliance and the Non-Proliferation Treaty: Developments in Safeguards and Supply Controls,” in Canadian Council on International Law and The Markland Group (eds.), *Treaty Compliance: Some Concerns and Remedies* (London: Kluwer Law International, 1998), pp. 21-34.
- Keeley, James, and Terriff, Terry, “International Order,” in Mark O. Dickerson and Thomas Flanagan, *An Introduction to Government and Politics: A Conceptual Approach* (Scarborough, Ontario: Nelson Canada, 1998), pp. 65-80. (A revision of an earlier edition.)

Reviews/Books Edited

- Bercuson, David. “Men in Arms: A History of Warfare and Its Interrelationships with Western Society”, (fifth edition) by Richard A. Preston, Alex Roland and Sydney F. Wise, Harcourt Brace, Fort Worth, Texas, January 1999.

- Bercuson, David. “From Crisis to Confidence? The Canadian Forces Since the End of the Cold War” in Militaire Spectator, jaargang 167, 3, 1998, pp. 118-124.
- Herwig, Holger. Scott W. Lackey, “The Rebirth of the Habsburg Army: Friedrich Beck and the Birth of the General Staff” (Westport CT and London: Greenwood Press, 1995), in: Central European History, vol. 30 (1997), pp. 61-62, Appeared in 1998.
- Herwig, Holger. Series Editor, “Naval Policy and History,” Frank Cass Publisher, London.
- Herwig, Holger. Edited and Produced, John E. Talbott, The Pen & Ink Sailor: Charles Middleton and the King’s Navy, 1778-1813, Vol. 6.
- Herwig, Holger. Edited and Produced Robert Mallet, The Italian Navy and Fascist Expansionism 1935-1940, Vol. 7.
- Herwig, Holger. Kathleen Broome Williams, “Secret Weapon: U.S. High-frequency Direction Finding in the Battle of the Atlantic: (Annapolis: Naval Institute Press, 1995), in: Intelligence and National Security, vol. 12 (October 1997), pp. 236-237. Appeared in 1998.
- Herwig, Holger. Lamar Cecil, “Wilhelm II,” volume 2, “Emperor and Exile, 1900-1941” (Chapel Hill: University of North Carolina Press, 1996), in: America Historical Review, vol. 104 (April 1998), pp. 537-538.
- Herwig, Holger. Wolfgang J. Mommsen, ed., “Kultur und Krieg: Die Rolle der Intellektuellen, Künstler und Schriftsteller im Ersten Weltkrieg” (Munich: R. Oldenbourg, 1995), in: Central European History, vol. 30 (September 1997), pp. 455-457. Appeared in 1998.
- Herwig, Holger. Walther L. Bernecker and Volker Dotterweich, eds., “Deutschland in den internationalen Beziehungen des 19. Und 20. Jahrhunderts. Festschrift für Josef Becker zum 65. Geburtstag” (Munich: Ernst Vogel, 1996), in: The English Historical Review, vol. CXIII (September 1998), pp. 1045-1046.
- Herwig, Holger. Martin Kitchen, “The Cambridge Illustrated History of Germany” (Cambridge: Cambridge University Press, 1997), in: Letters in Canada (1996), pp. 130-131. Appeared in 1998.
- Herwig, Holger, “The Prussian Military. A Model for All Seasons?”, in Joint Forces Quarterly.
- Huebert, Rob. “The State and Market in India’s Shipping: Nationalism, Globalization and Marginalization by Baldev Raj Nayar,” Canadian Journal of Political Science, XXX:1 (March 1998):189.
- Huebert, Rob. Reviews of articles/manuscripts for Nelson Press; Broadview Press; *Canadian Public Administration* and *Innovations*.

- Keeley, James. Review of Keith Krause and Michael C. Williams (eds.), *Critical Security Studies – Canadian Journal of Political Science*, vol. 30, no. 4 (December 1998), pp. 770-772.
- Keeley, James. Review of Claus Hofhansel, *Commercial Competition and National Security: Comparing US and German Export Control Policies – Contemporary Security Policy*, vol. 18, no. 3 (December 1997), pp. 158-159.

Publications, Papers and Invited Lectures

- Bercuson, D.J., “Fighting the Defensive Battle on the Jamestown Line: The Canadians in Korea, November 1951” in Canadian Military History, Summer 1998, pp.7-22.
- Bercuson, David. “The Canadian Forces Confront the Post-Cold War World.” A paper read to the conference on Democracies and Their Armed Forces towards the 21st Century: Israel in Comparative Perspective, Bar-Ilan University, Tel-Aviv, Israel, 8-10 June, 1998.
- Bercuson, David. “War and the New Global Order: Has Anything Really Changed?” A paper read to the 1998 University of Manitoba Political Studies Student’s Conference, February 1998.
- Gilmour, Jeff. Submitted a paper for publication entitled “Transporting Resources Through the Northwest Passage – Myth or Reality”.
- Herwig, Holger. “You are Here to Learn How to Die: Subaltern Officer Education in Germany 1648-1918”, in 17th Annual Military History Symposium, U.S. Air Force.
- Huebert, Rob, “Integrated Maritime Enforcement: The Arctic”, conference paper for the Third Interdisciplinary Workshop on Integrated Maritime Enforcement, Centre for Foreign Policy Studies, Dalhousie University, February 1998.
- Huebert, Rob, “Canadian Arctic Security Issues”, conference paper for the annual meeting of the Strategic and Defence Forum, Department of National Defence, Ottawa, April 29-30, 1998.
- Huebert, Rob, “Canadian Arctic Security Issues: Transformation in the Post-Cold War Era,” submitted to *International Journal* (the editorials have expressed their strong desire to publish and are awaiting the reviews).
- Huebert, Rob, “Canadian Northern Maritime Concerns: The Asian Connection”, conference paper for Naval Challenges and Development in Asia Pacific. Presented at the annual meeting of the Naval Officers Association, Victoria, May 22, 1998.
- Huebert, Rob, “The Politics of Arctic Security, “In Search of a Canadian Arctic Maritime Strategy”, conference paper for the 9th Dalhousie Sea Power Conference, Centre for Foreign Policy Studies, Halifax, May 28-29, 1998.

- Huebert, Rob, “Comprehensive Security in the Circumpolar North, a conference paper for the annual meeting of the Canadian Political Science Association, University of Ottawa, May 31 to June 2, 1998.
- Huebert, Rob, “Perceptions and Misperceptions in Naval Strategy: The Role of the Battleship in Peace and War”, a conference paper for Naval War, Explorations, Society at Sea, an annual conference of the Canadian Nautical Research Society, Calgary, June 25-27, 1998.
- Huebert, Rob, “Globalization in the New Circumpolar North”, a conference paper for Globalization: Political, Social and Economic Dimensions – Eastern Mediterranean University, Turkish Republic of Northern Cyprus, November 19-21, 1998.
- Huebert, Rob, “New Directions in Circumpolar Co-operation: Canada, the Arctic Environmental Protection Strategy and the Arctic Council,” *Canadian Foreign Policy*, 5:2 (Winter 1998), pp. 37-58.
- Huebert, Rob, “The Arctic Council and Northern Aboriginal Peoples,” in *Issues in the North Volume III*, edited by Jill Oakes and Rick Riewe, Edmonton: Canadian Circumpolar Institute, 1998.
- Lackenbauer, Whitney, Editor of A Slice of International Life: A Personal Perspective on Canadian Foreign Policy, 1980-1982. By Mark MacGuigan, P.C. Forthcoming, McGill-Queen’s University Press or Centre on Foreign Policy and Federalism.
- Lackenbauer, Whitney, “Calgary: An Outline Social and Political History of Land Acquisition, Development and Use”. Guest lecturer, Geomatics Engineering 581, Land Use Planning, University of Calgary, 26 February 1999.
- Lackenbauer, Whitney, “La grande lutte constitutive: Les relations canadiennes-quebecoise depuis la revolution tranquille.” Conferencier-invite, histoire 445, universite de Calgary, 19 novembre 1998.
- Lackenbauer, Whitney, “Aboriginal Claims and the Canadian Military: The Impact on Domestic Strategy and Operations.” Paper given at 1998 Conference of Defence Associations Institute Canadian Military Affairs Symposium, Ottawa, Ontario, 14 November 1998. Electronic publication forthcoming.
- Lackenbauer, Whitney, “‘Primordial Purposes’ in Conflict: ‘Race’, Religion and the Reaction to the Guibord Affairs in Ontario.” Paper presented at the Canadian Catholic Historical Association Conference, University of Ottawa, May 1998.
- Lackenbauer, Whitney, “Why Siberia? Canadian Foreign Policy and Siberian Intervention, 1918-1919.” The Canadian Military Heritage Project (April 1998), <http://www.rootsweb.com/~canmil/siberia/siberia1.htm>.
- Madsen, Chris, “Military Law Under Fire: The Canadian Militia and the North-West Rebellion of 1885”, Louis Knafla and Johnathan Swainger, eds., Essays in the History of Canadian Law, vol. IX, (Toronto: University of Toronto Press/The Osgoode Society for Canadian Legal History, 1999).

14.0 SO WHAT?

CMSS continues to develop new initiatives and competencies that may be of interest for the development of security studies in Canada.

Existing Course Work Re-design/Re-development

- **“Issues and Trends in World Politics”**, Political Science 283.5. This course offered by Dr. Huebert was offered as an Internet based course. Developed as a cooperative project with Athabasca University, the objective of this redevelopment is to exploit the new communication technology which then will allow both universities to serve a greater range of students. While it is doubtful that all future courses will be offered over the net, such a form of delivery does allow greater access to students who are unable to attend classes due to geography, employment or family obligations. The inaugural offering was successful and will allow for greater improvements in the fall 1999 offering.
- **“Politics of the North”**, Political Science 323. This course offered by Dr. Huebert has not been offered for some time. Given the fundamental changes that have occurred in the circumpolar north since the end of the Cold War, any course focused on this subject must be re-designed.

New Course Development

- **“International Relations 501”**. As Program Co-ordinator for the Social Sciences BA in International Relations, Dr. Keeley has developed this capstone course for the program.
- **“Military Anthropology”**. A new course is being jointly developed by the CMSS and the Department of Anthropology on “military anthropology”. Anne Irwin, Research Associate, will be the instructor of record. It is hoped that this new course will also form part of the MSS program.

Innovations in Education

Dr. Huebert continues to bring two main areas of innovations to his teaching. The first is the employment of simulations exercises in all of the courses he offers. It is his experience that granting the students the opportunity to apply the knowledge acquired during the length of the course is the best technique to ensure that the material is properly understood. The second focus of his efforts to develop innovative teaching methods lay in the use of the internet as a means of providing advanced education beyond the confines of the university boundary.

Master of Strategic Studies (MSS) Program

The CMSS will continue to strive to be a leader in teaching developments. It is our hope that new courses will be developed as part of the MSS offering.

To ensure high quality education, we will continue to:

- Research video-conferencing technologies
- Research distance education and web-based learning methods

As mentioned earlier, courses in the MSS program will be offered to the students via distance education, using video-conferenced classrooms to offer real-time participation. Lectures and seminars will take place at the University's facilities, while students at any of the five western Canadian Forces Bases will use their own video-conferenced facilities. The majority of communication will take place using e-mail, web-site material, and on-line discussion groups.

Additional Funding

Fundraising initiatives for the CMSS have been ongoing and, if successful, the following research activities are proposed.

While the CMSS has a limited set of permanent major research objectives:

- Study of the citizen-soldier in Canada and the international context
- Study of the importance of sea power to Canada as a trading and maritime nation, past, present, and future;
- The military and the media in Canada
- Defence education in Canada

The Centre also has major instructional objectives. These are:

- To develop school curriculum packages concerning the Canadian military and Canadian defence policy issues;
- To support the proposed MSS aimed at Canadian officer development and education;
- To publish and disseminate research findings of Centre Fellows, especially through electronic means;
- To issue policy and position papers on current Canadian military and defence policy matters, these to be based on Centre research.

It is proposed that funds for research be allocated for the following purposes:

- To be made available to Fellows of the Centre on a competitive basis to "buy out" teaching and service time from the University to pursue specific research projects that fit the Centre's overall objectives; (Two Fellows @ \$12,000 per year = \$24,000)
- To support an annual visiting expert to be based at the Centre and to give short courses, seminars, public lectures, to conduct research of his/her own consistent with the Centre's overall mission or to participate in an ongoing Centre research project; (\$16,000 per year)
- To support post-doctoral students who come to the Centre to work on research projects that fit the Centre's overall mission; (two post-doctoral students @ \$6,000 per year = \$12,000)
- To provide seed money to develop grant proposals for major national and international seminars and conferences consistent with the Centre's overall mission; (\$5,000)
- To develop high school curricula proposals; (\$5,000)
- To support the dissemination of the results of research through various media (\$10,000)

SUMMARY

This report represents the CMSS's increased activity and initiatives over the past year. We have been active in many areas relating to security and defence issues and would be pleased to discuss any of our activities.

Respectfully submitted,

David J. Bercuson, PhD, FRSC
Professor of History and Director,
Centre for Military and Strategic Studies

31 March 1999